

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP2004/052913

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B6/12 C03C3/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G02B C03C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/44937 A (BLOECHL PETER ; GERMANN ROLAND (CH); MASSAREK ILANA (CH); SALEMINK HUU) 10 September 1999 (1999-09-10) cited in the application	1-17, 20-28, 47
Y	abstract	29, 30, 32-35, 37-46, 48-50, 52-56
A	page 8, line 15 - line 25 page 14, line 23 - page 15, line 16 page 15, line 24 - page 16, line 3 page 17, line 26 - line 28 ----- -/--	18, 19, 31

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

19 January 2005

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28/02/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/154878 A1 (SIMPSON LYNN B ET AL) 24 October 2002 (2002-10-24)	29, 30, 32, 33, 37, 38, 42-46, 48-50, 52-56 36, 47, 51
A	abstract paragraphs '0010!, '0011!, '0040!, '0043! - '0047!, '0055!, '0056!, '0059! - '0061! table 2	
Y	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07, 31 July 1997 (1997-07-31) -& JP 09 080247 A (HITACHI CABLE LTD), 28 March 1997 (1997-03-28) abstract paragraphs '0010! - '0013!, '0016! - '0021!, '0027!; figure 1	34, 35, 39-41
A	US 6 408 125 B1 (BELLMAN ROBERT ALAN ET AL) 18 June 2002 (2002-06-18) abstract column 2, line 23 - column 3, line 3 column 3, line 37 - column 4, line 7 column 5, line 48 - column 6, line 5	1, 37, 53
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09, 30 July 1999 (1999-07-30) -& JP 11 109158 A (HITACHI CABLE LTD), 23 April 1999 (1999-04-23) abstract paragraph '0020!	1, 37, 53
A	CHELNOKOV A V ET AL: "Deep high-dose erbium implantation of low-loss silicon oxynitride waveguides" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 30, no. 22, 27 October 1994 (1994-10-27), pages 1850-1852, XP006001284 ISSN: 0013-5194 the whole document	27, 28
A	GERMANN R ET AL: "SILICON OXYNITRIDE LAYERS FOR OPTICAL WAVEGUIDE APPLICATIONS" JOURNAL OF THE ELECTROCHEMICAL SOCIETY, ELECTROCHEMICAL SOCIETY, MANCHESTER, NEW HAMPSHIRE, US, vol. 147, no. 6, June 2000 (2000-06), pages 2237-2241, XP009016715 ISSN: 0013-4651 cited in the application the whole document	47, 51

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